$$score(s_k^i) = \sum_{w_j \subset s_k} w_j^i \text{ , where } w_j^i = tf_j^i \cdot idf_j = tf_j^i \cdot \log \frac{N}{df_j}$$

$$score(s_k^i) = \sum_{w_j \subset s_k} tf_j^i$$